

**TITLE: EXPANDABLE REAMER APPARATUS FOR
ENLARGING BOREHOLES WHILE DRILLING AND
METHODS OF USE**

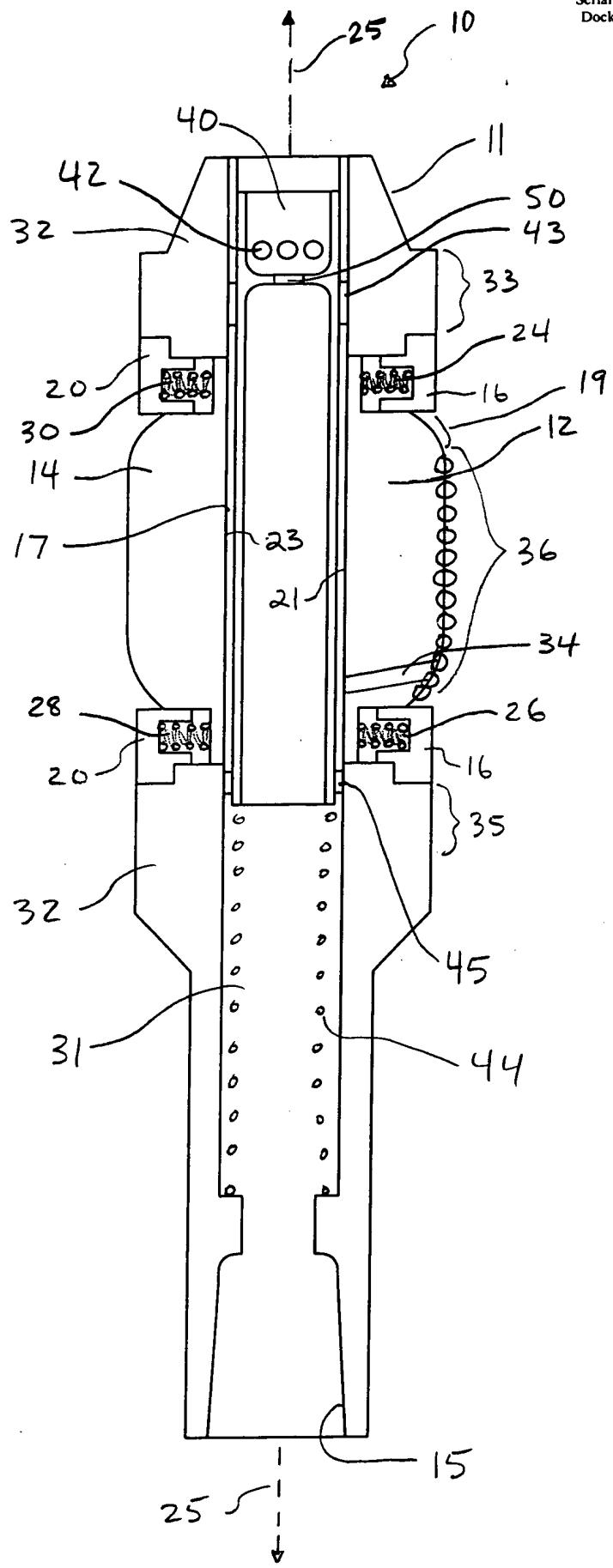


FIG. 1A

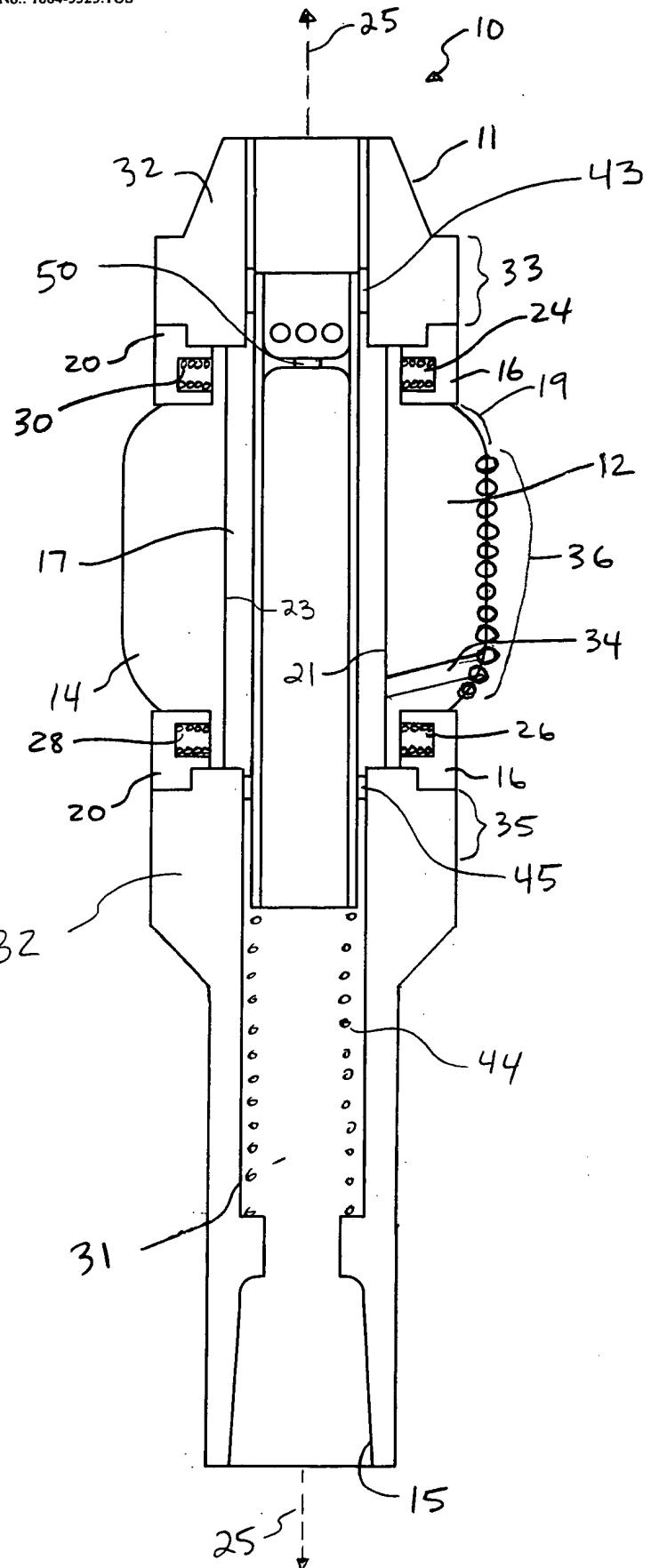


FIG. 1B

TITLE: EXPANDABLE REAMER APPARATUS FOR
ENLARGING BOREHOLES WHILE DRILLING AND
METHODS OF USE
Inventor: Radford et. Al.
Serial No.: Not Yet Assigned
Docket No.: 1684-5323.1US

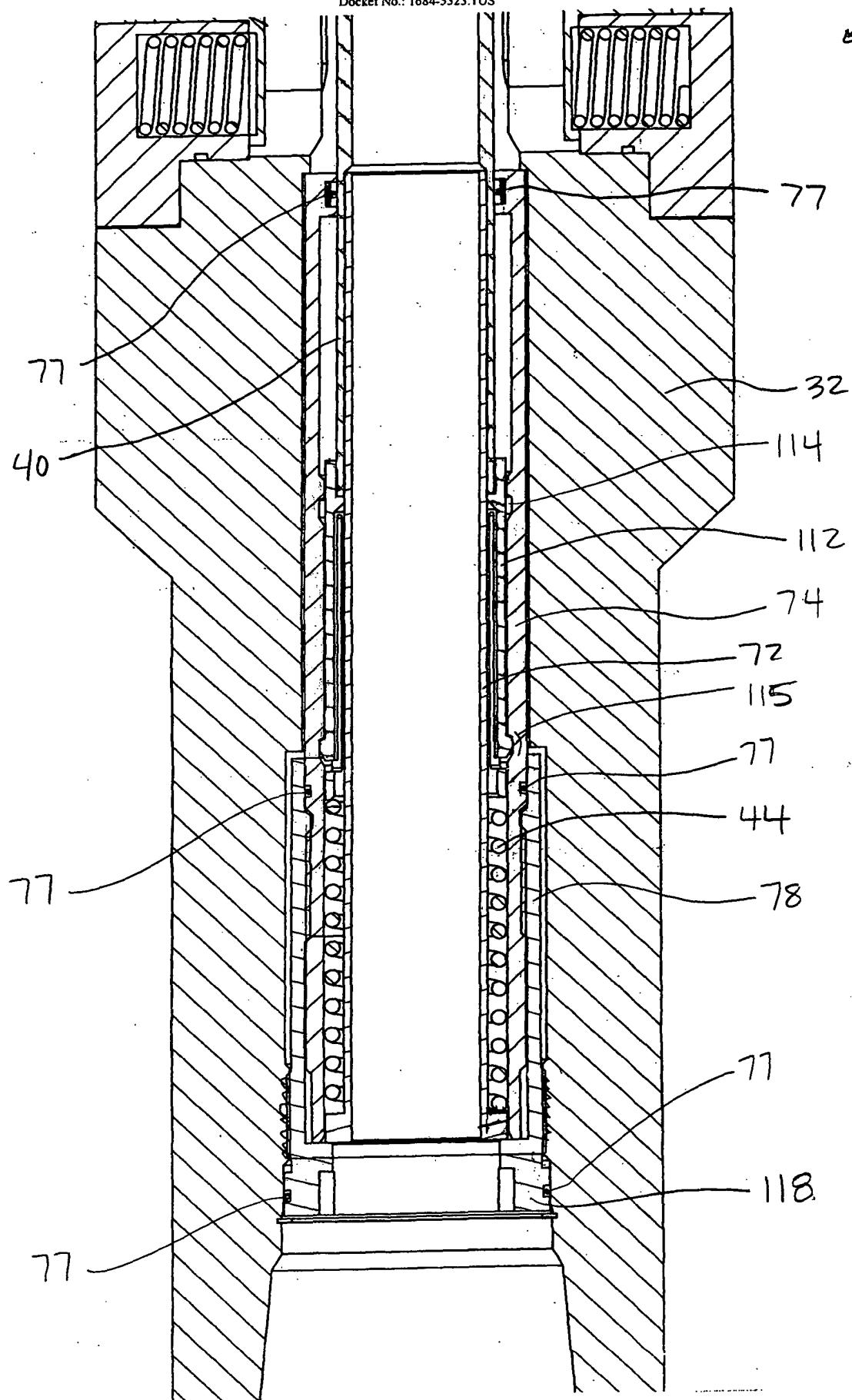


FIG. 1C

TITLE: EXPANDABLE REAMER APPARATUS FOR
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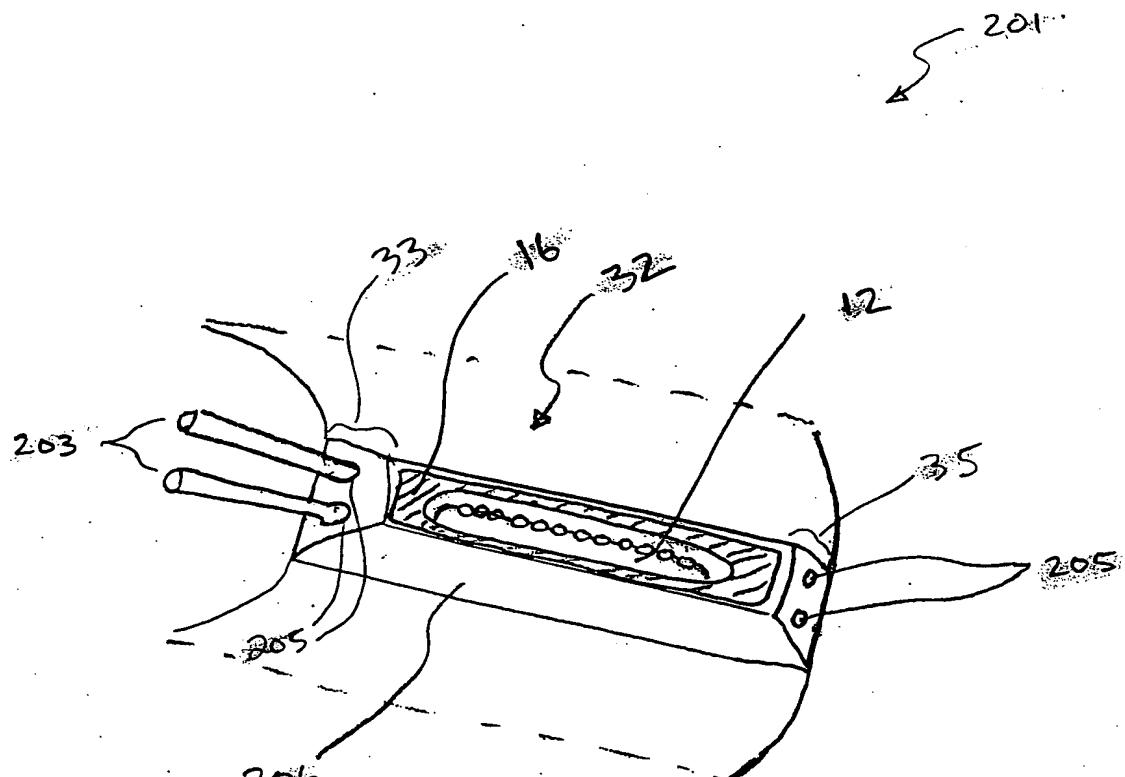


FIG. 1D1

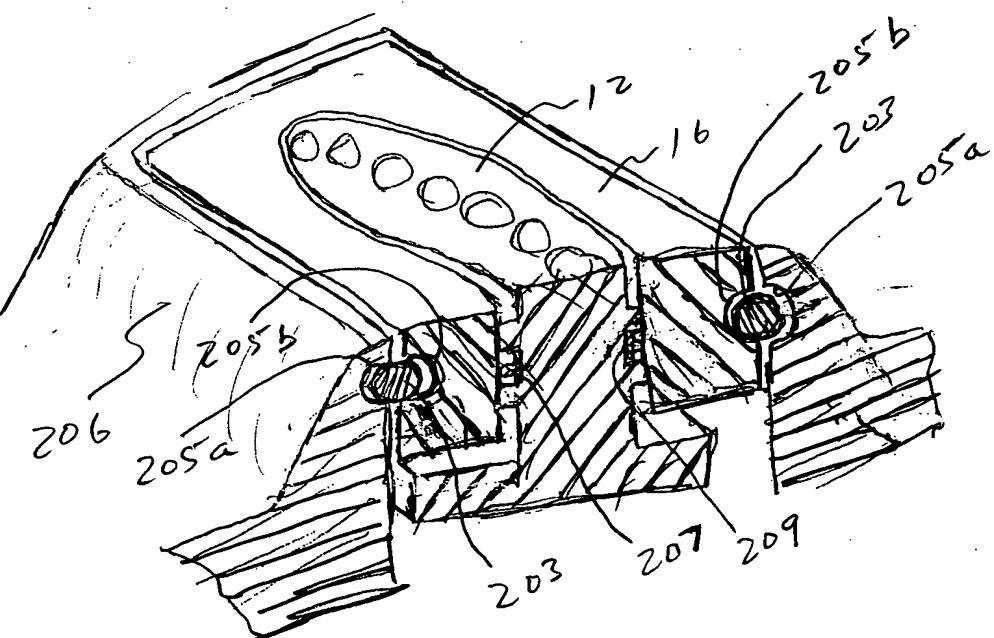


FIG. 1D2

TITLE: EXPANDABLE REAMER APPARATUS FOR
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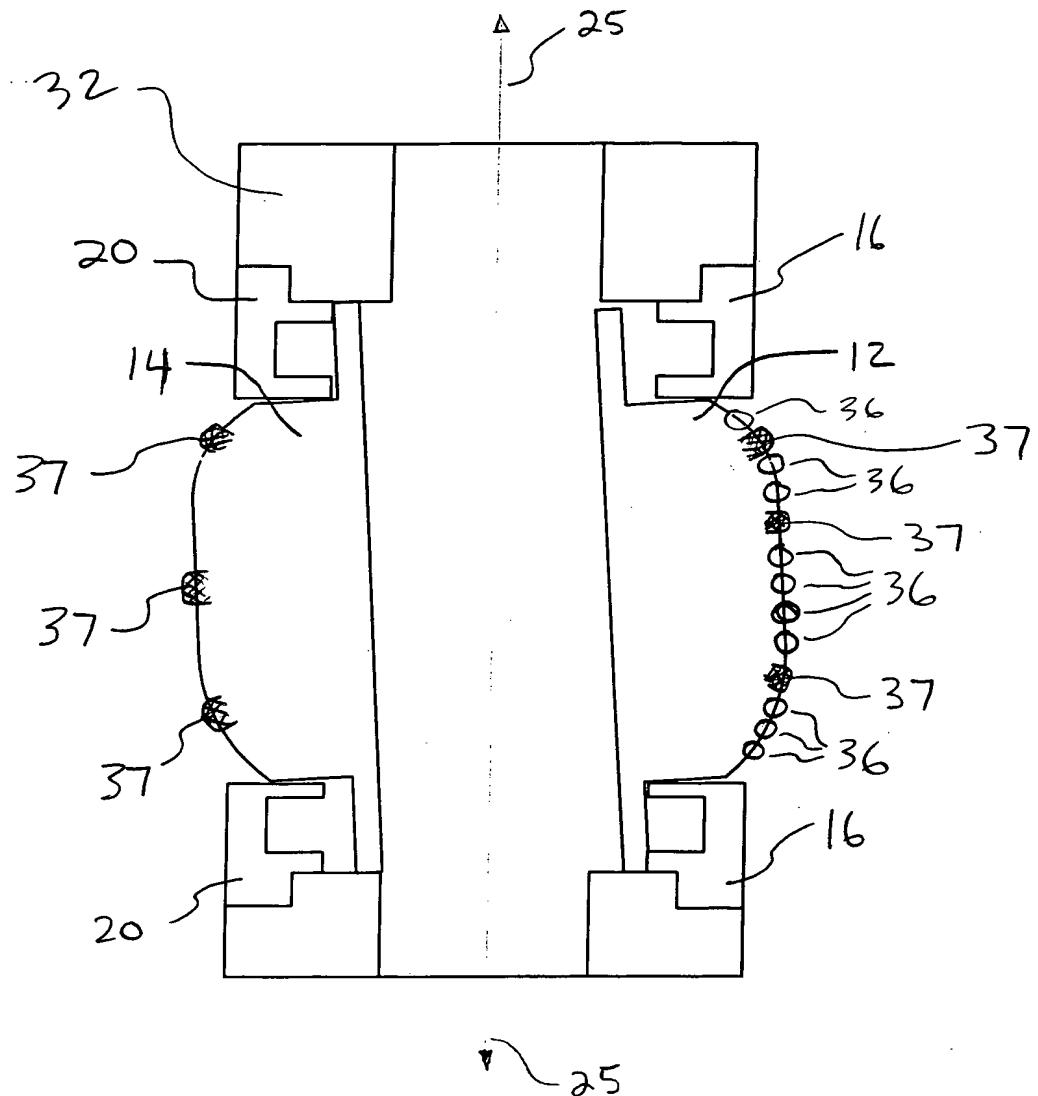


FIG. 1E

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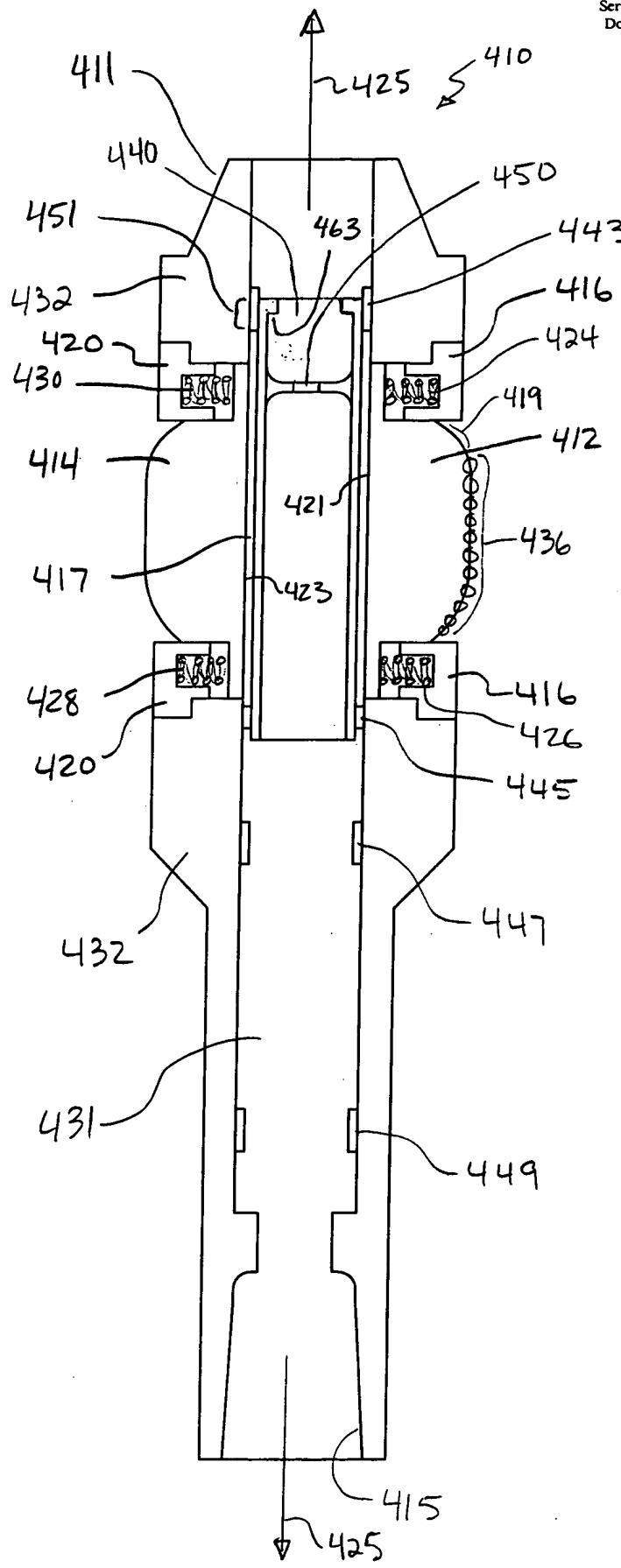


FIG. 1F

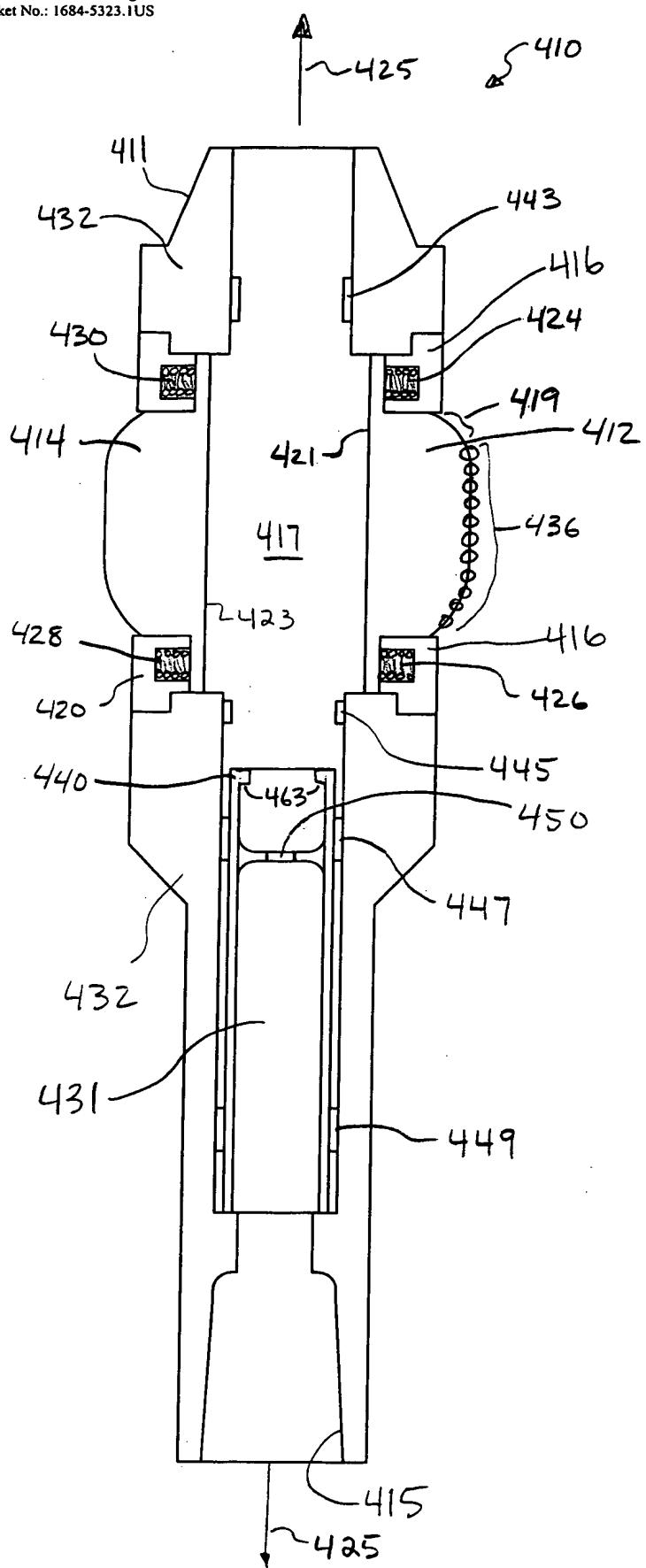


FIG. 1G

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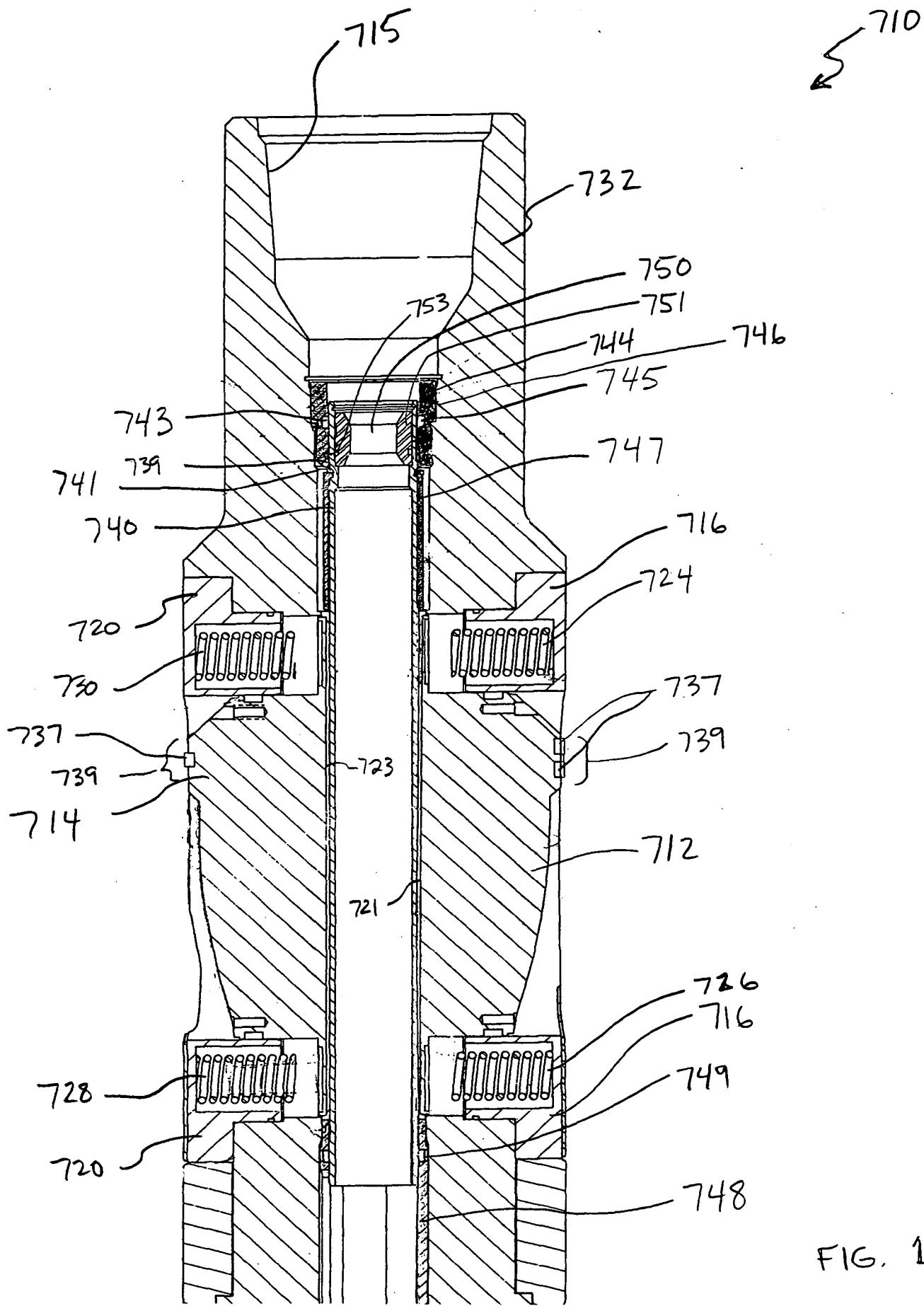


FIG. 1H

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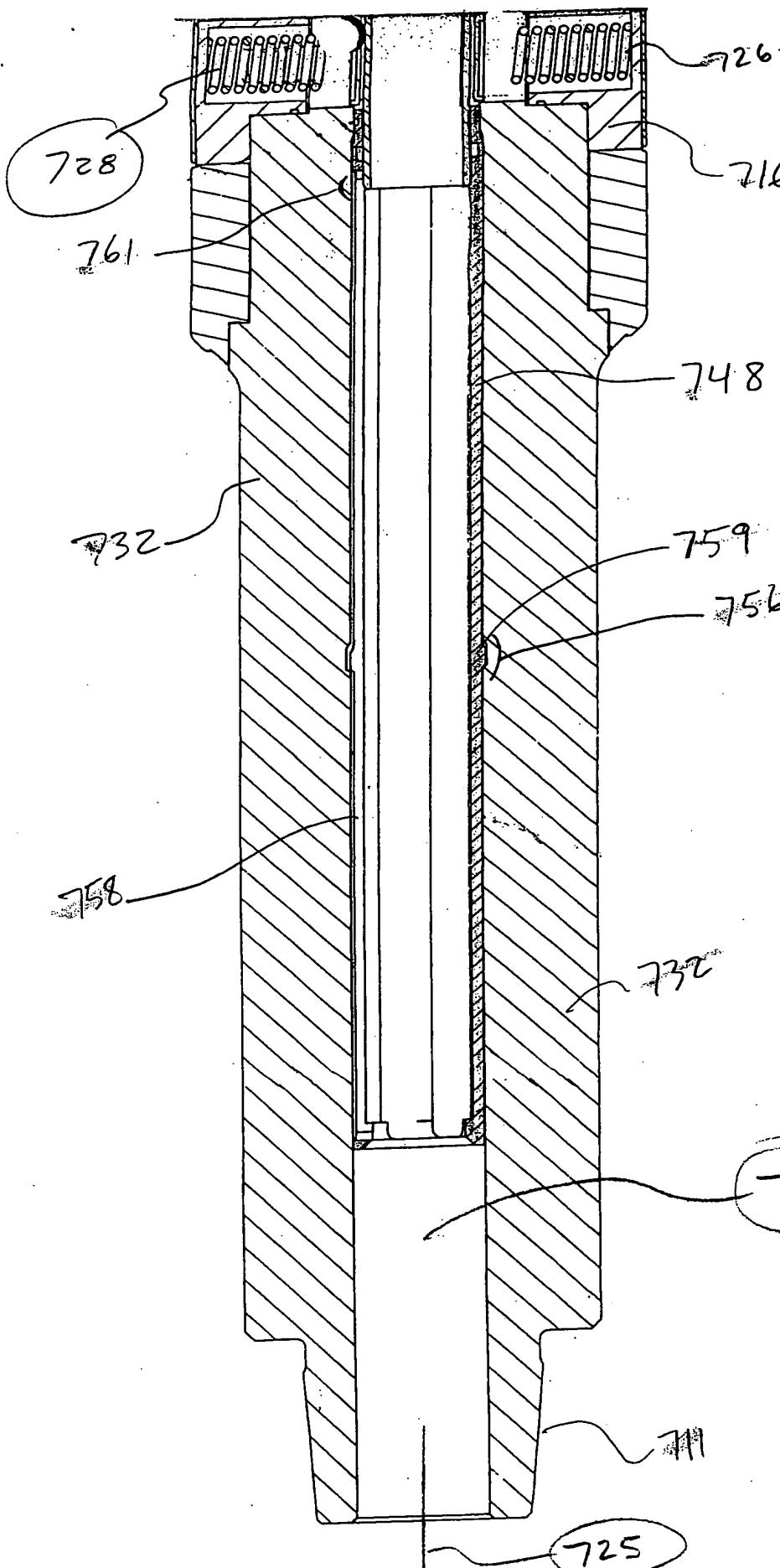


FIG. 1 I

**TITLE: EXPANDABLE REAMER APPARATUS FOR
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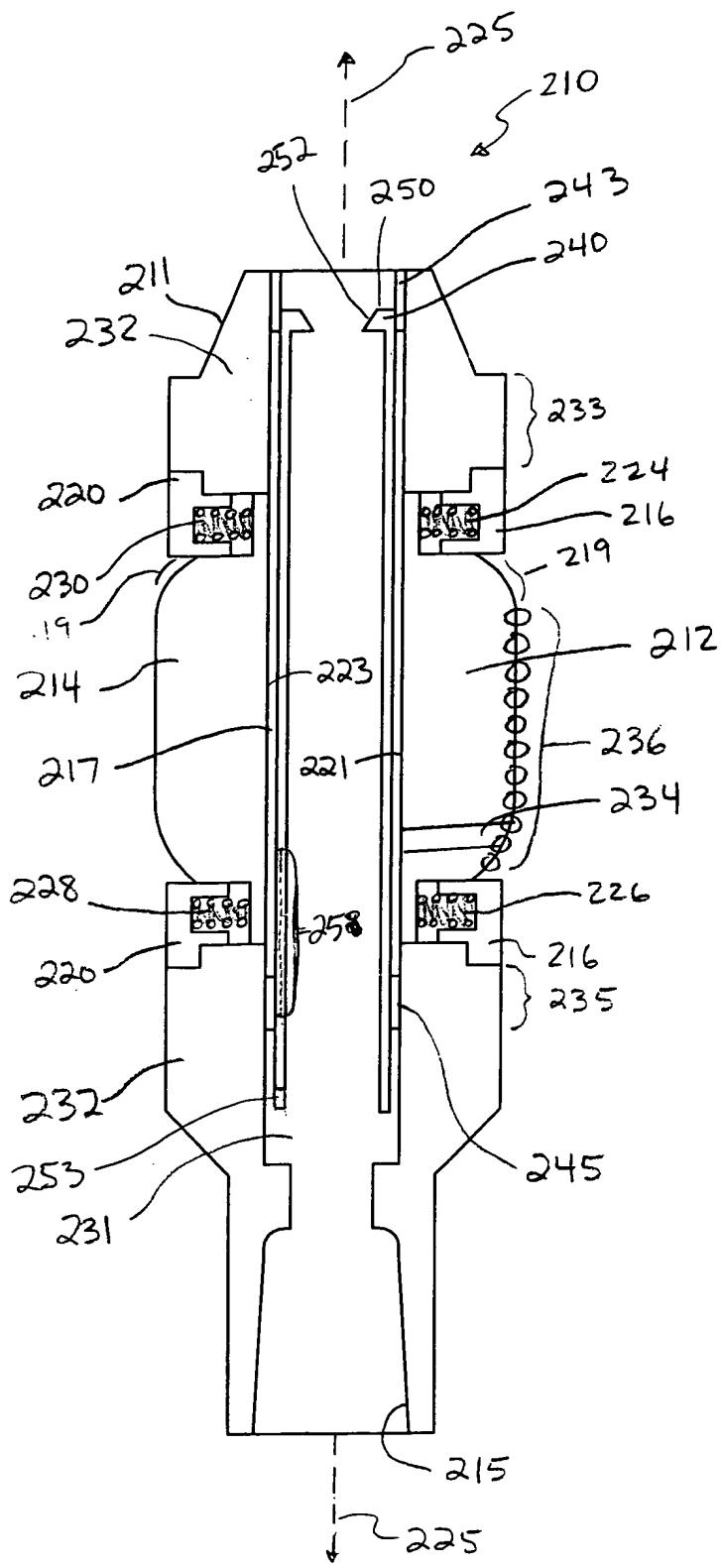


FIG. 2A

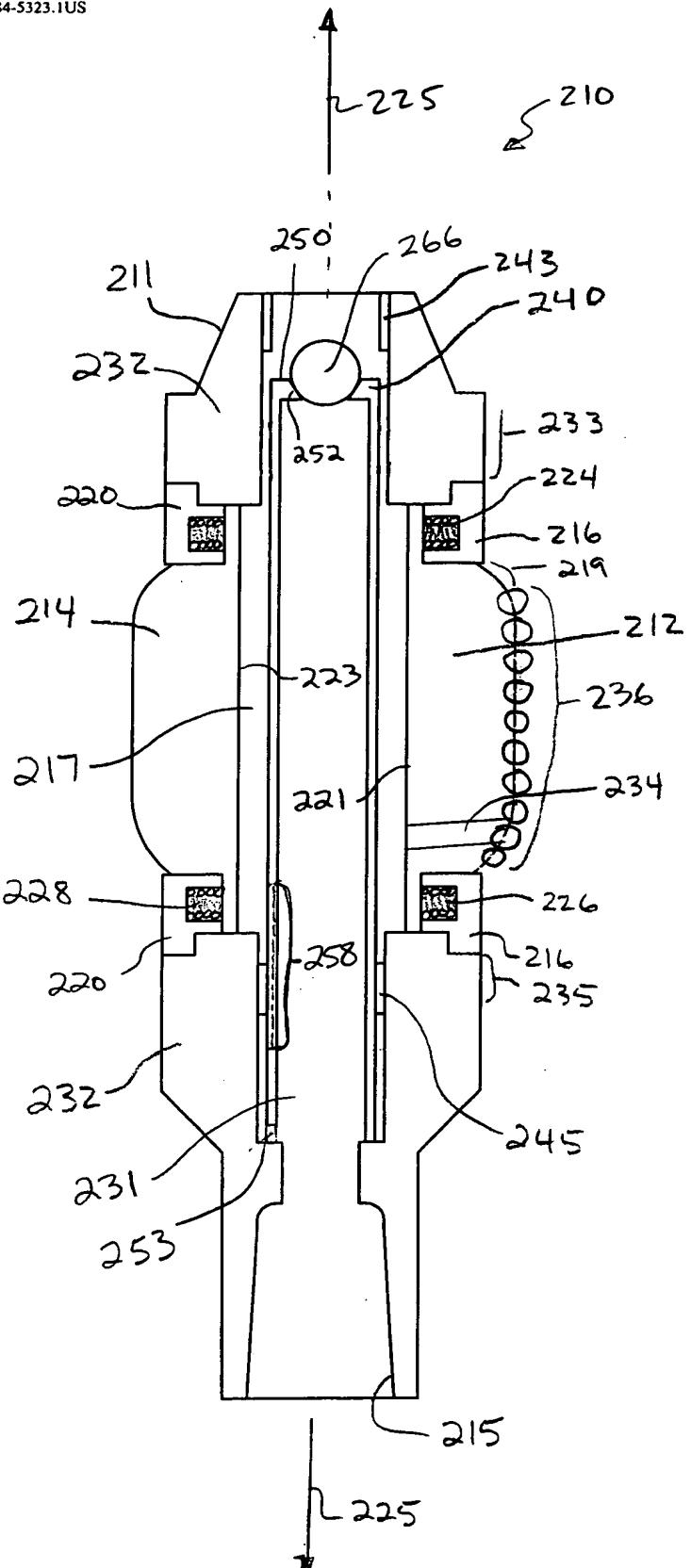


FIG. 2B

TITLE: EXPANDABLE REAMER APPARATUS FOR
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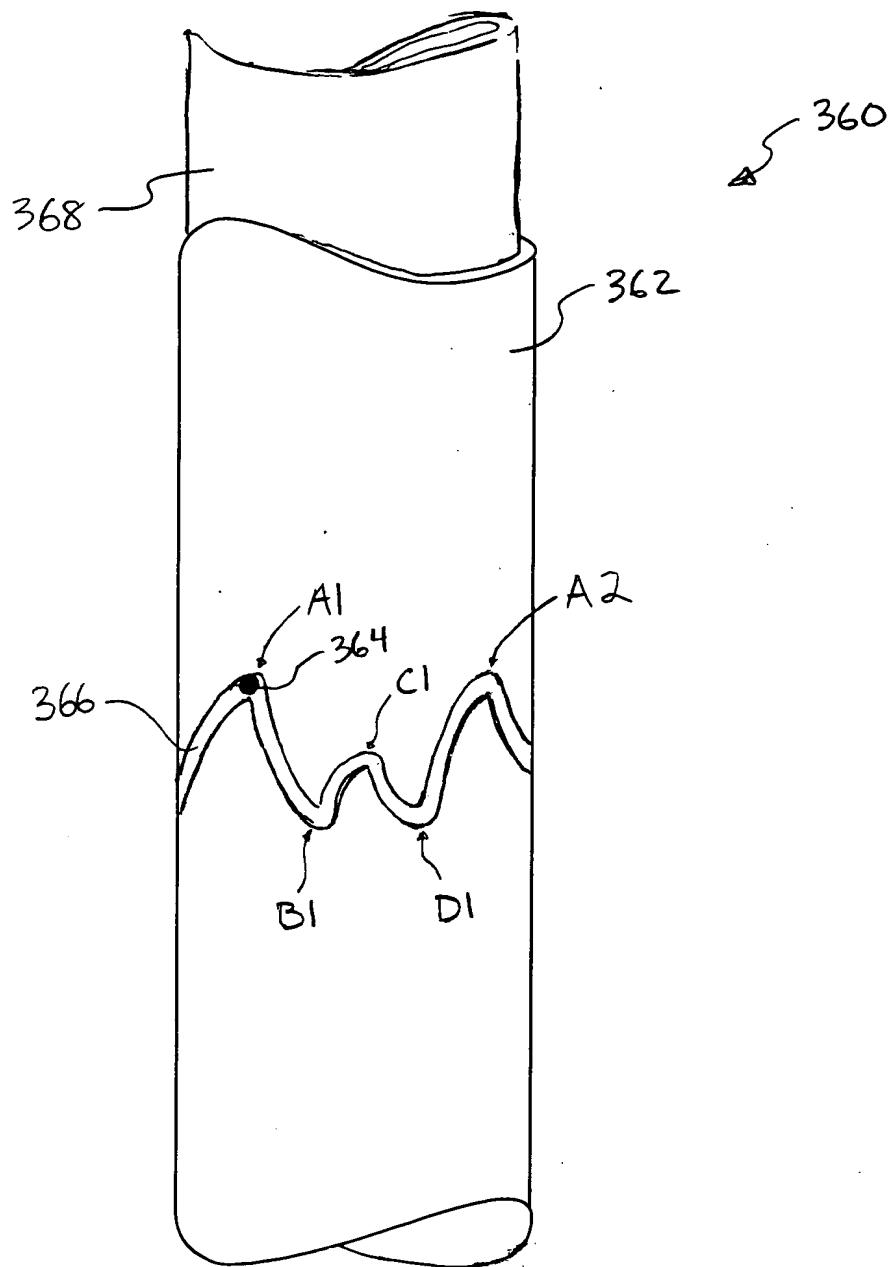


FIG. 3

TITLE: EXPANDABLE REAMER APPARATUS FOR
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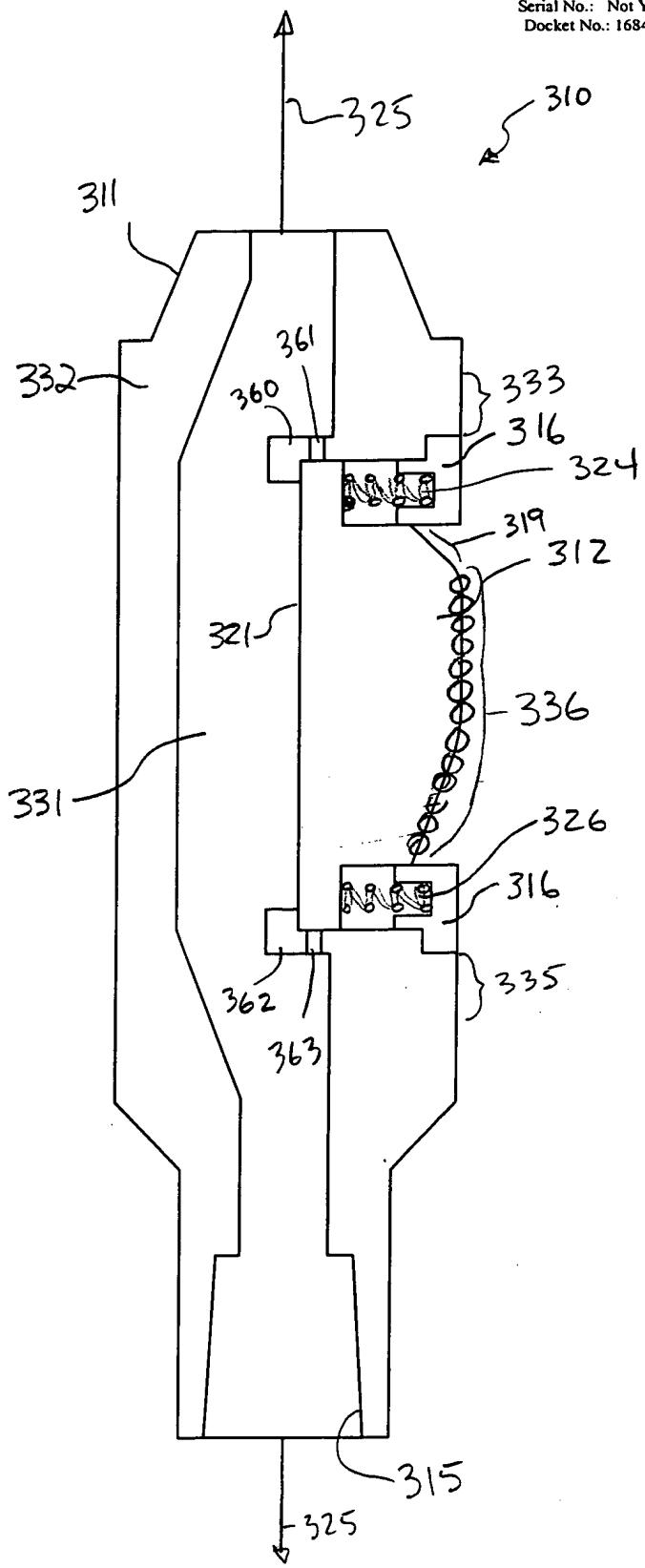


FIG. 4A

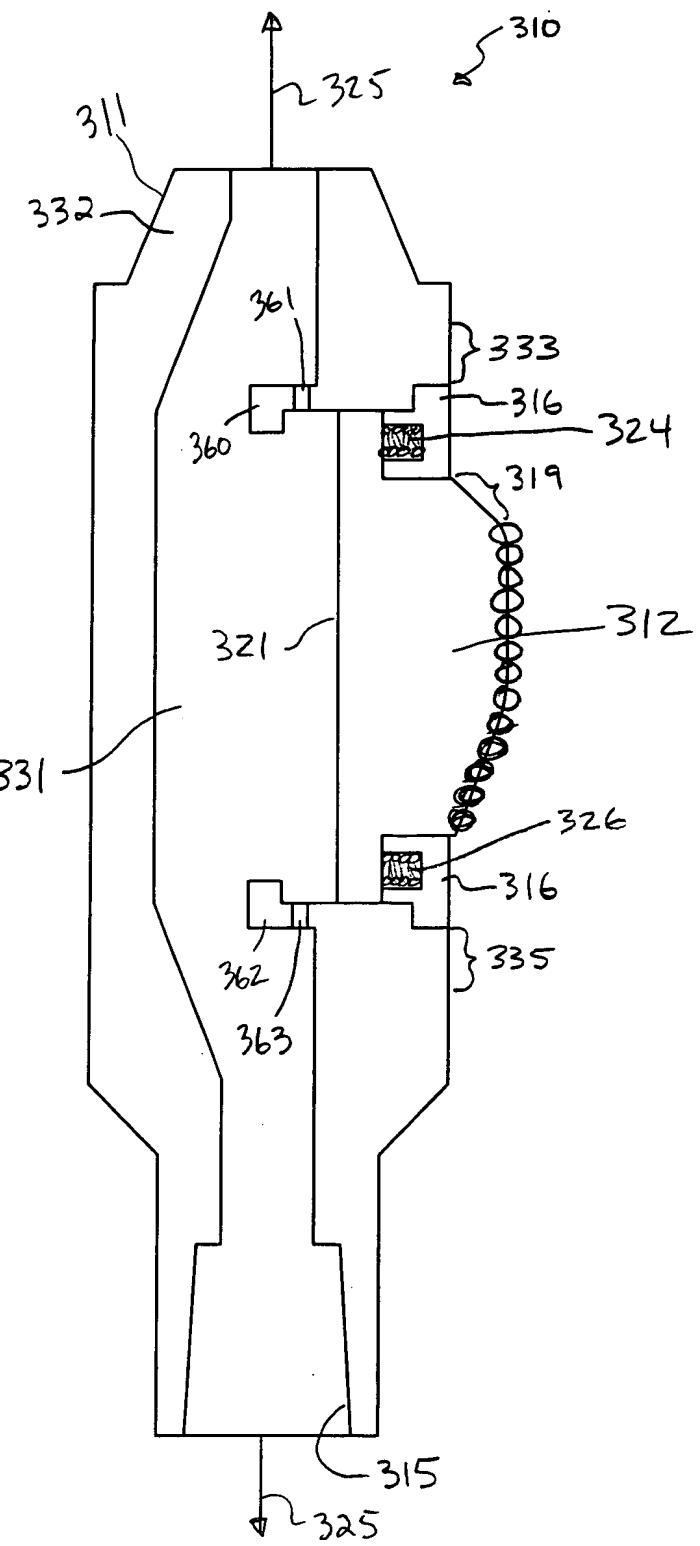


FIG. 4B

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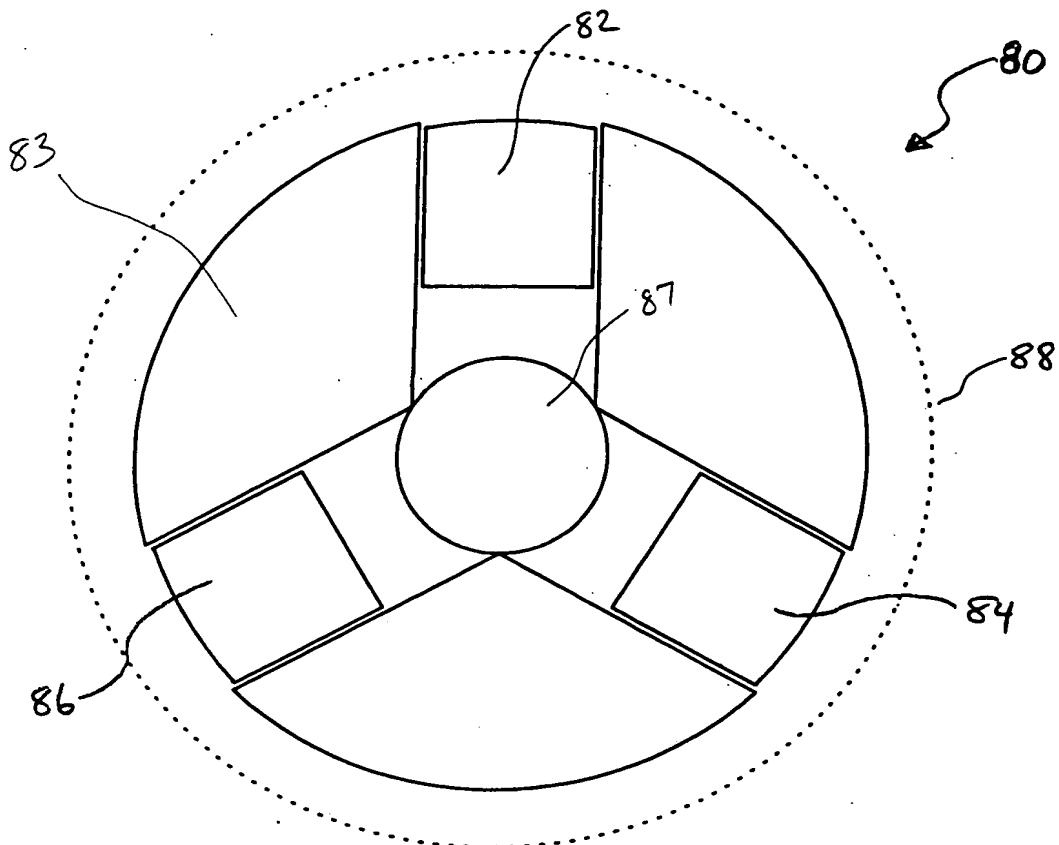


FIG. 5A

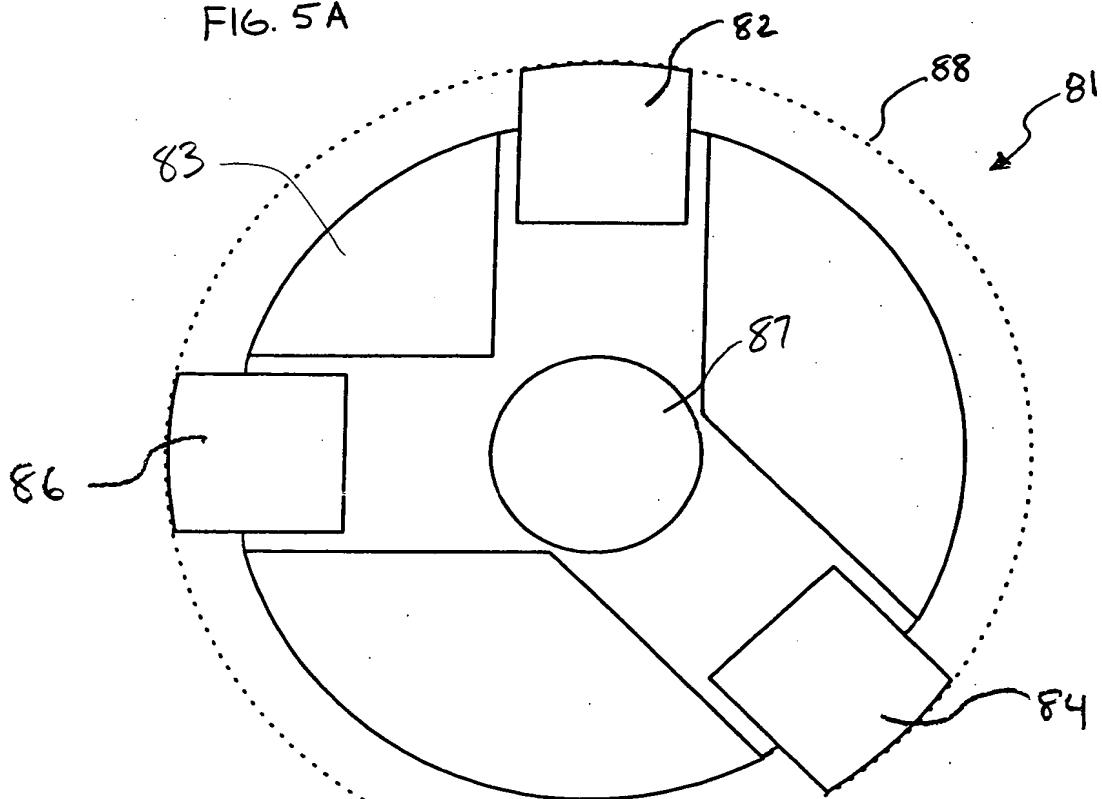


FIG. 5B

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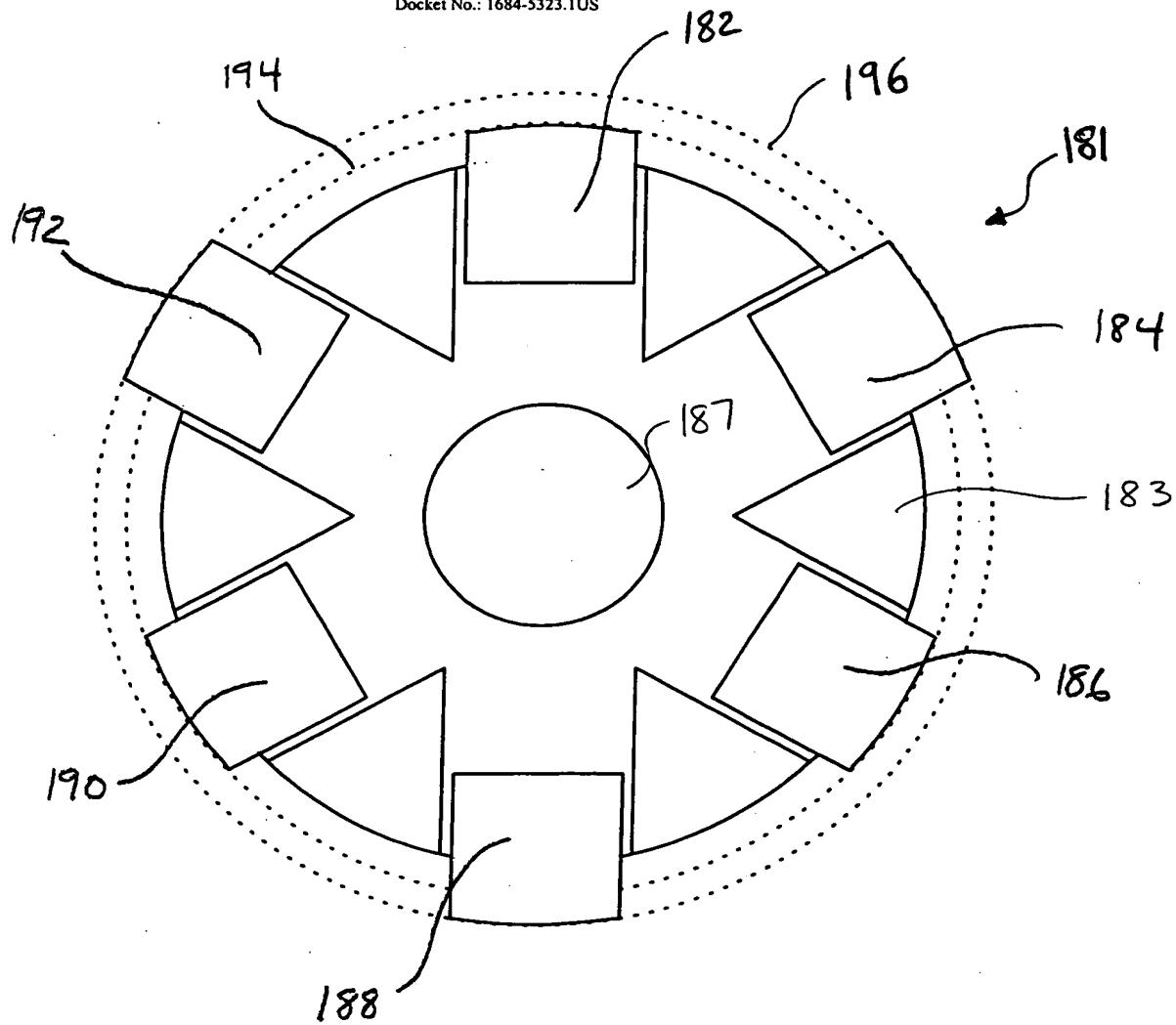


FIG. 5C

TITLE: EXPANDABLE REAMER APPARATUS FOR
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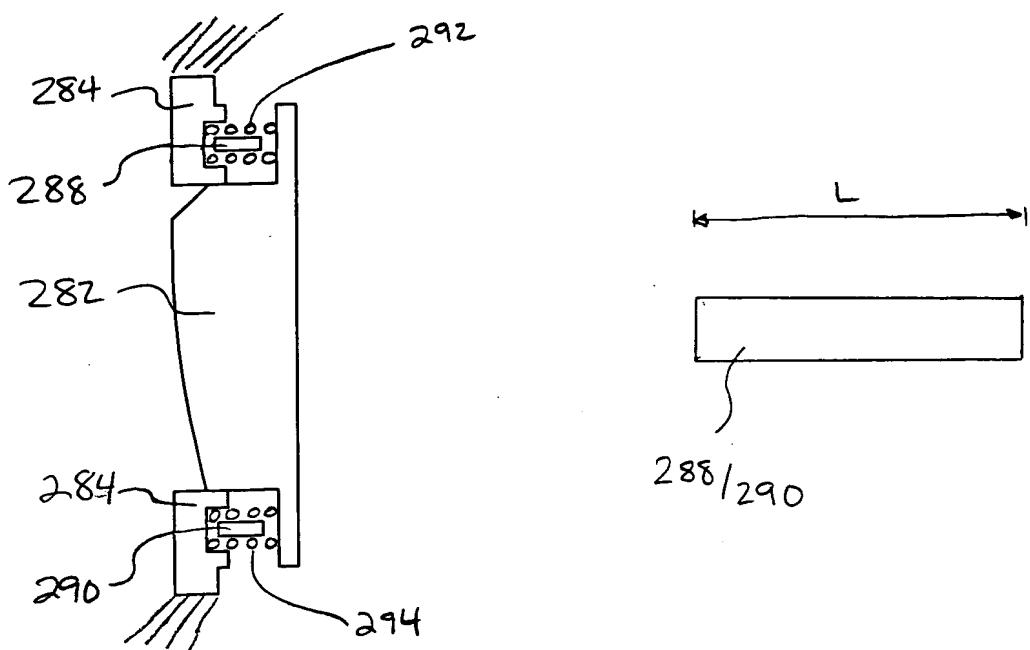
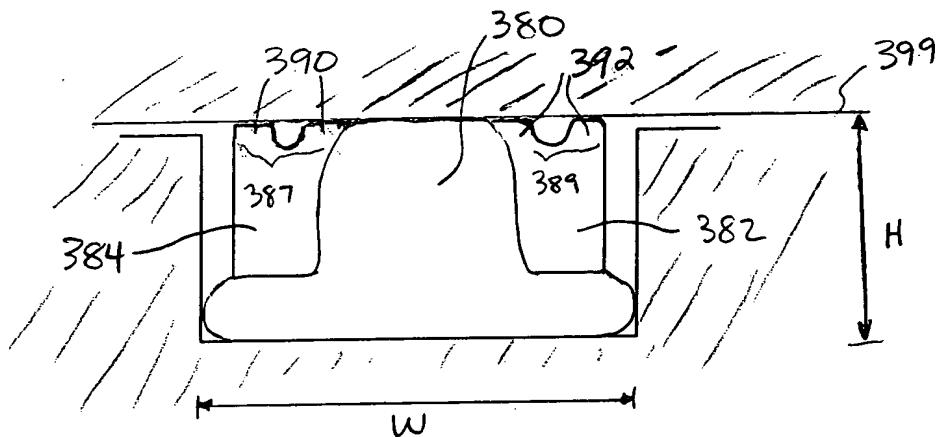
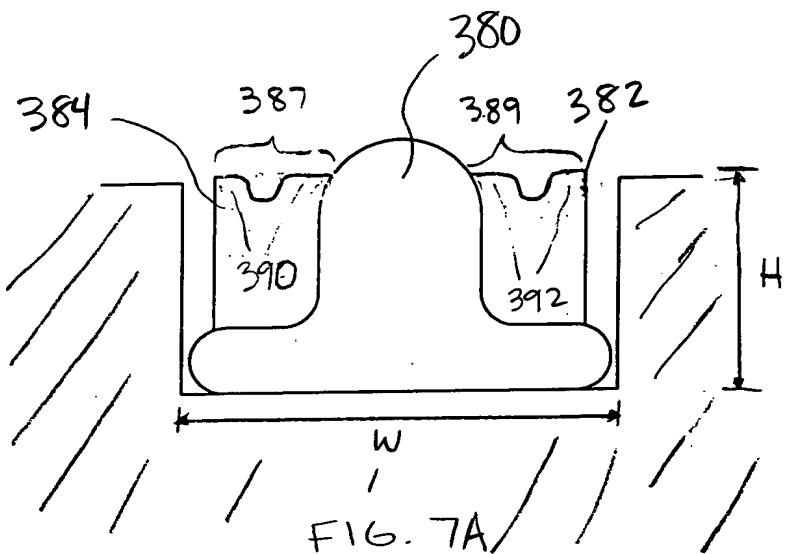


FIG. 6B

FIG. 6A

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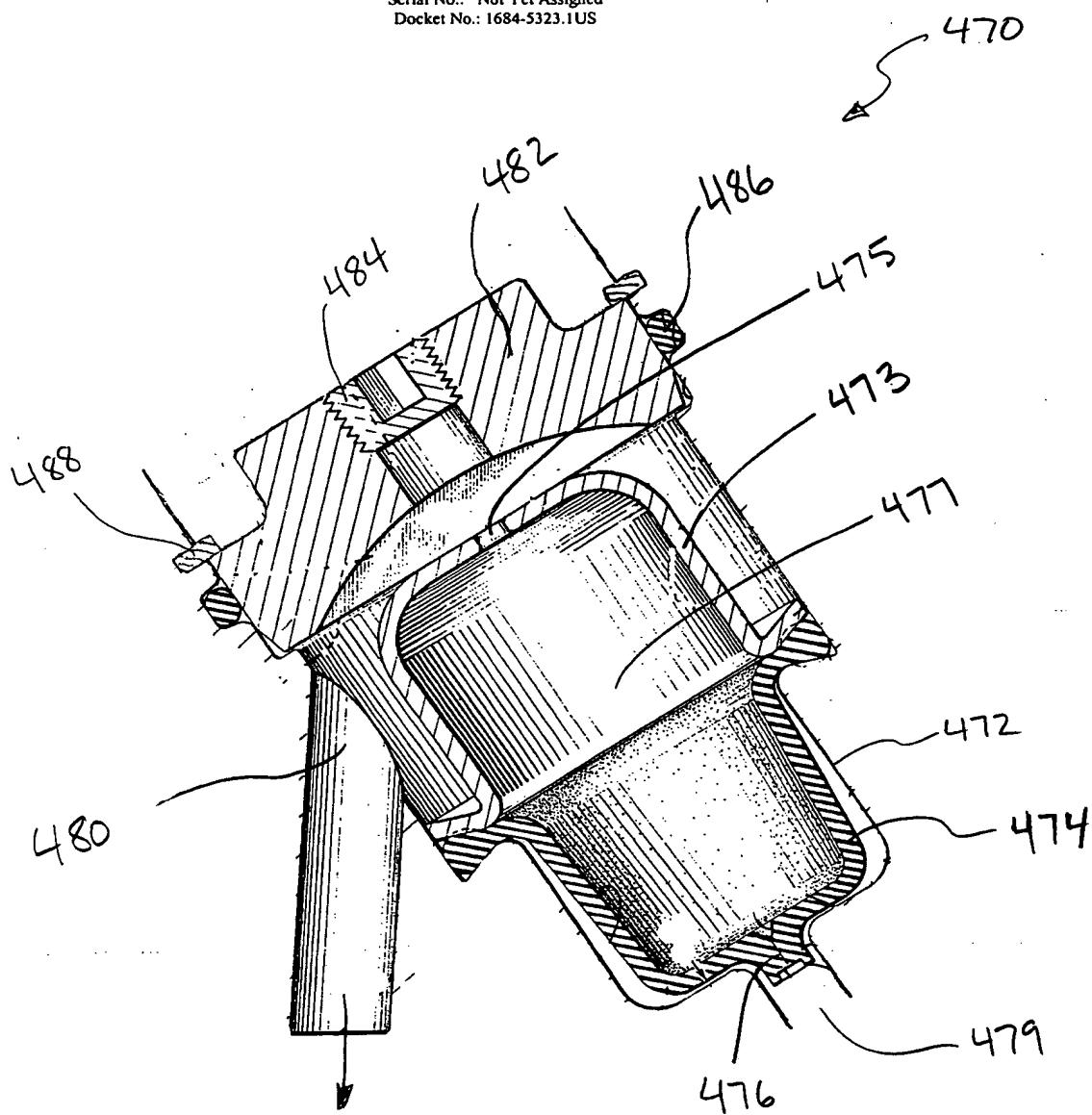


FIG. 8A

**TITLE: EXPANDABLE REAMER APPARATUS FOR
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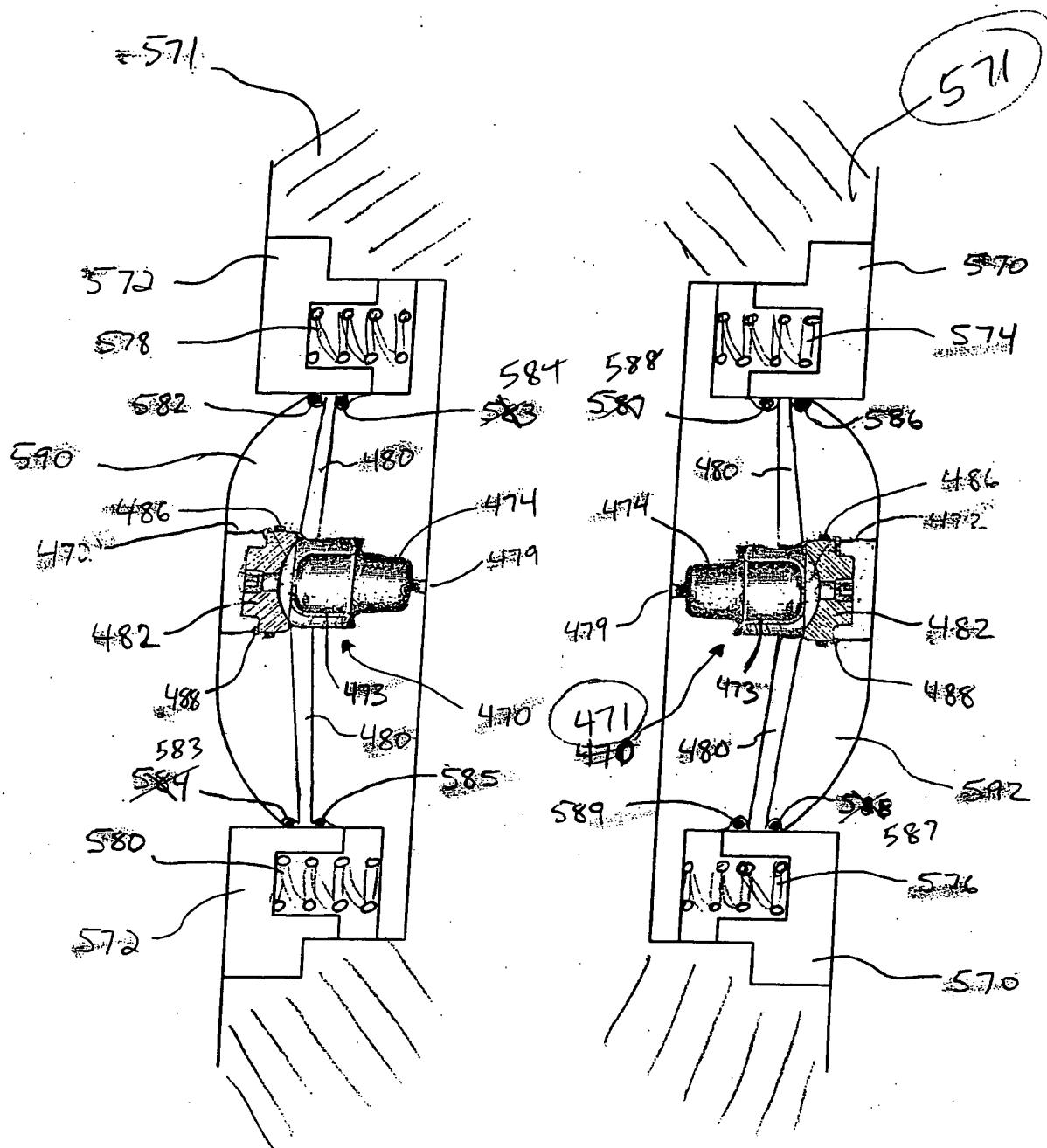


FIG. 8B

TITLE: EXPANDABLE REAMER APPARATUS FOR
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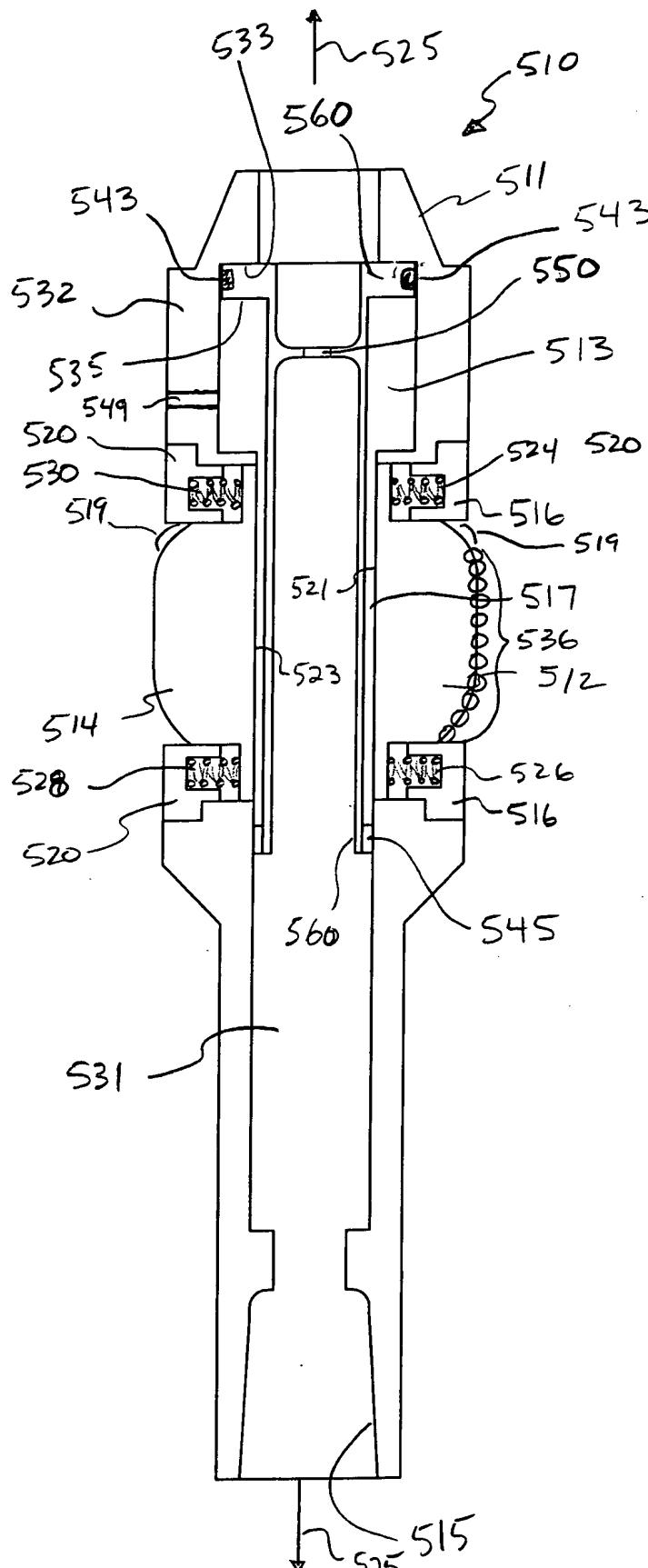


FIG. 9A

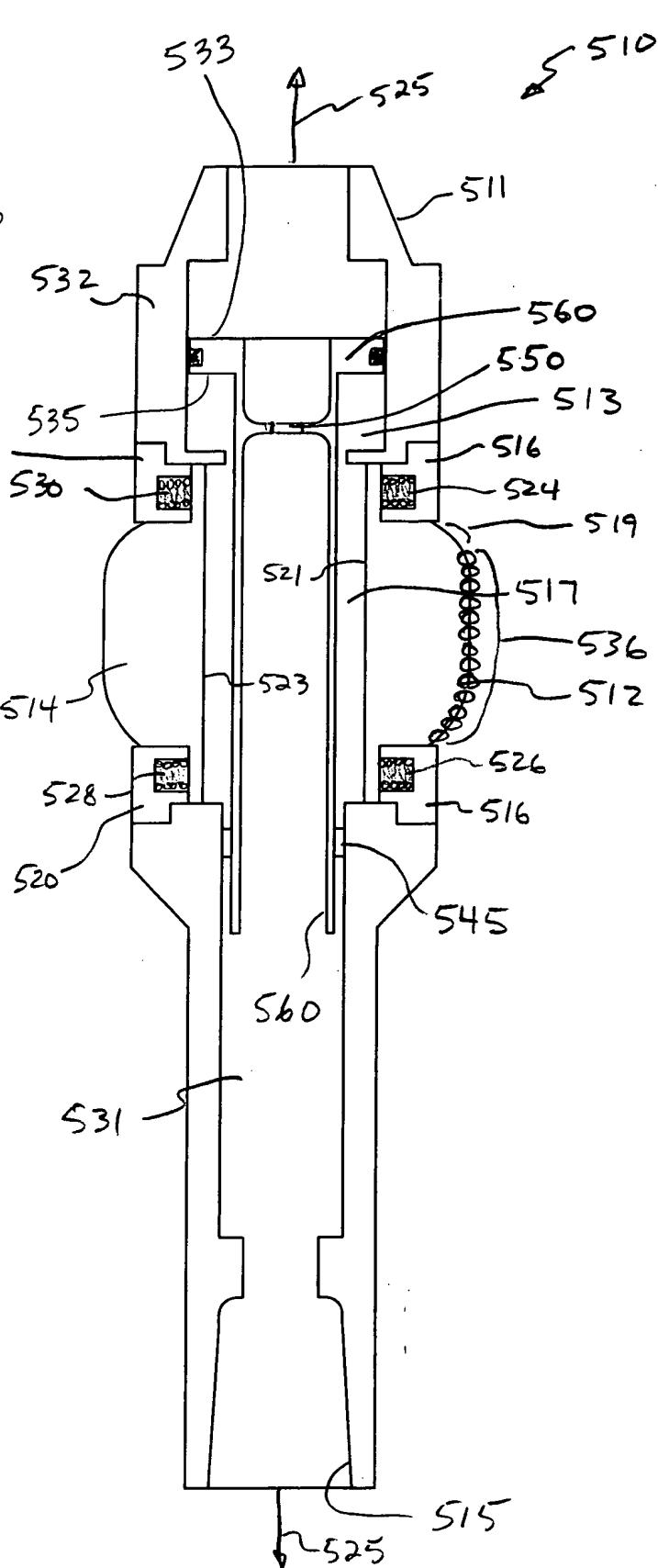


FIG. 9B

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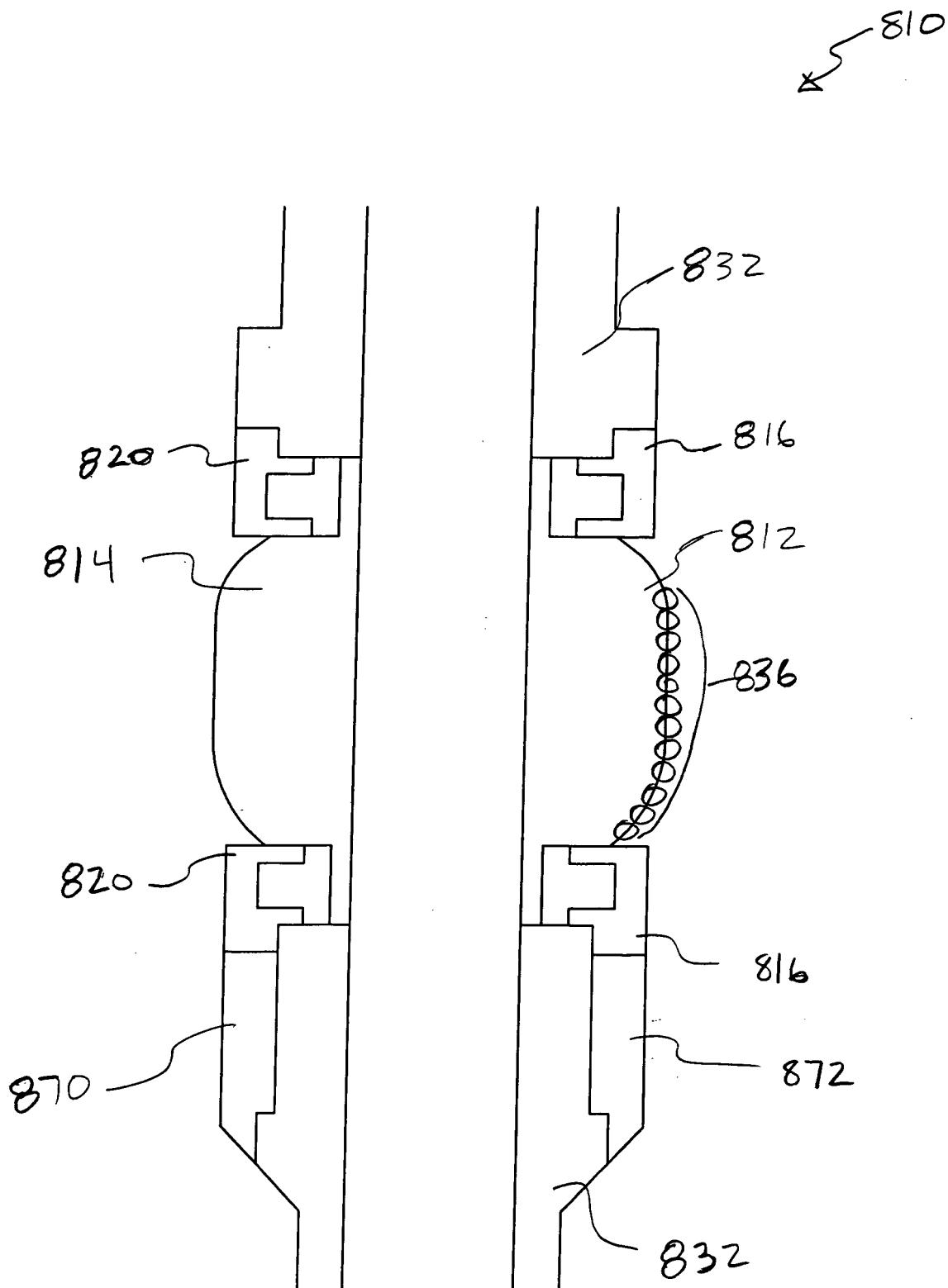


FIG. 10

**TITLE: EXPANDABLE REAMER APPARATUS FOR
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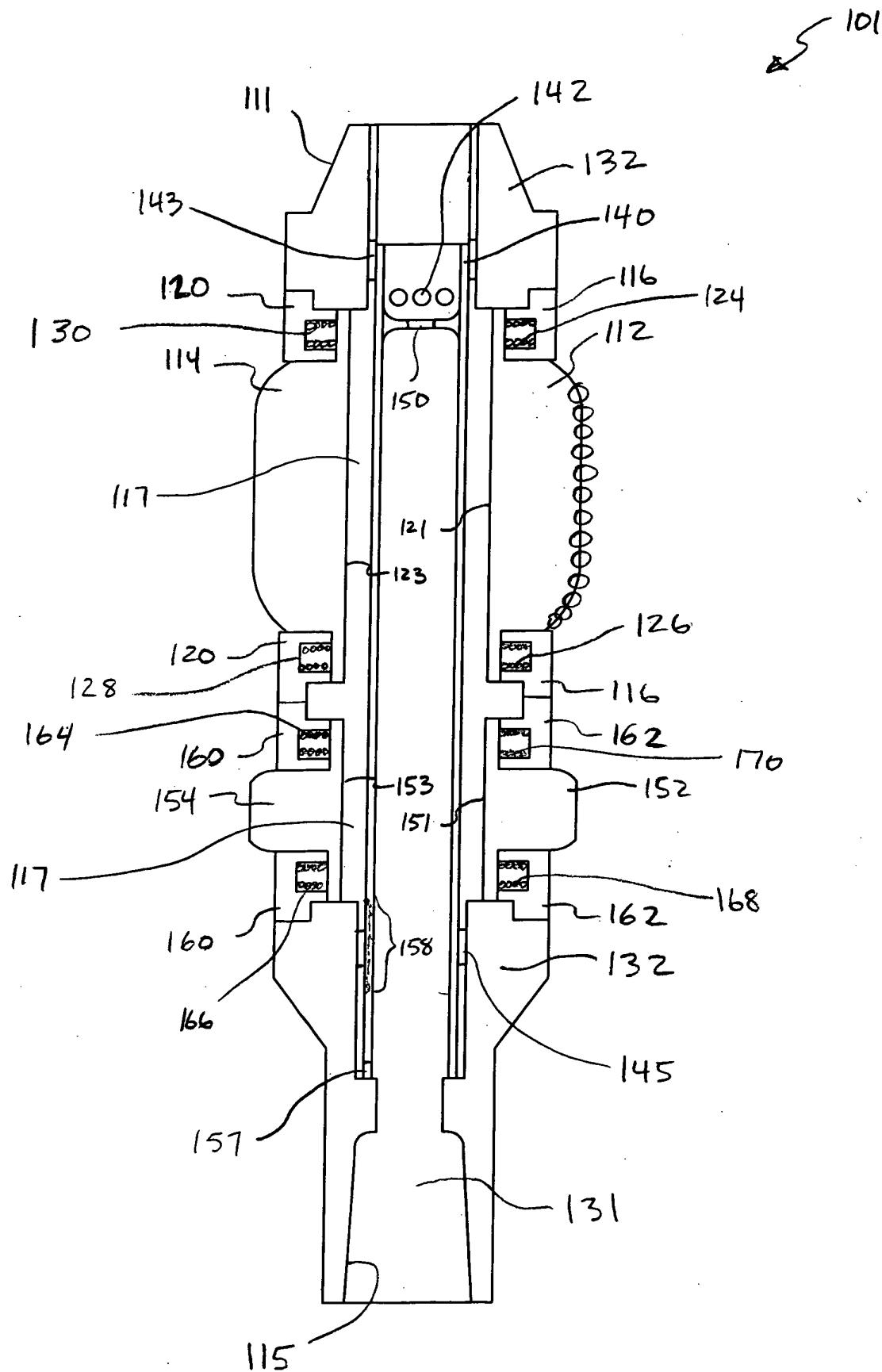


FIG. 11A

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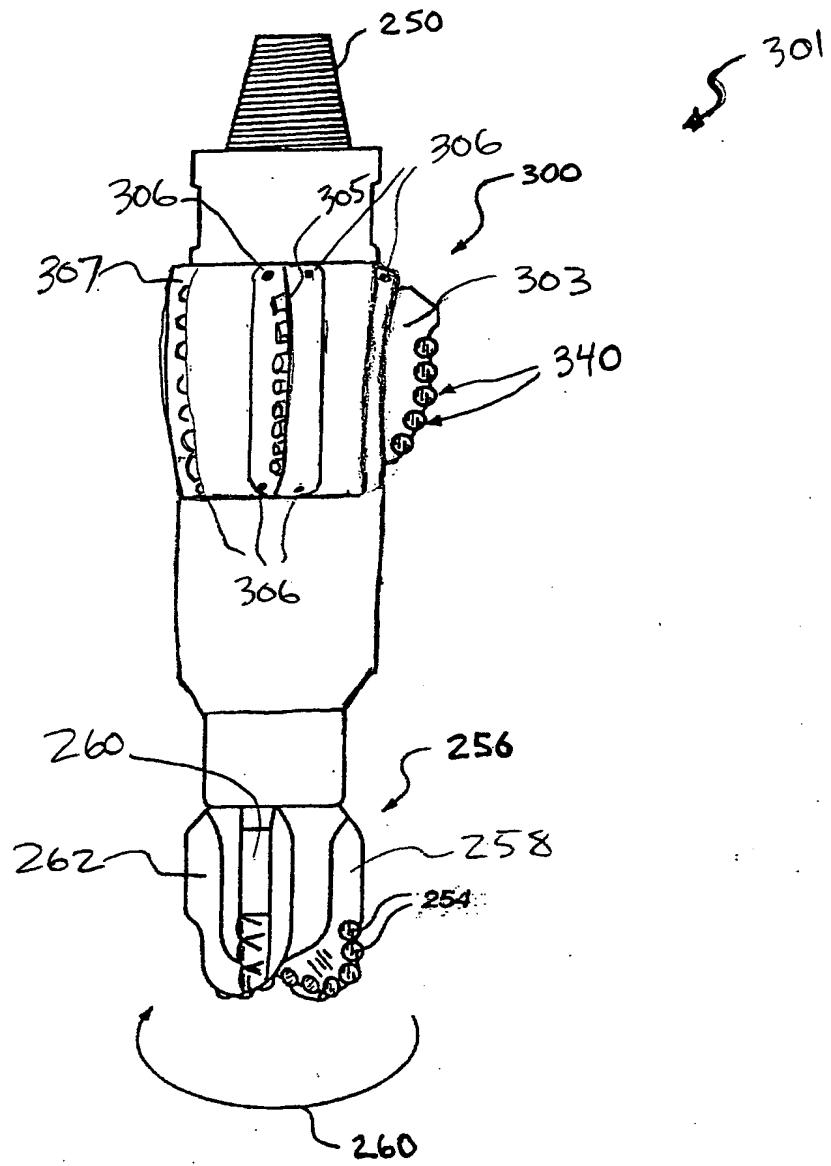


Fig. 11B

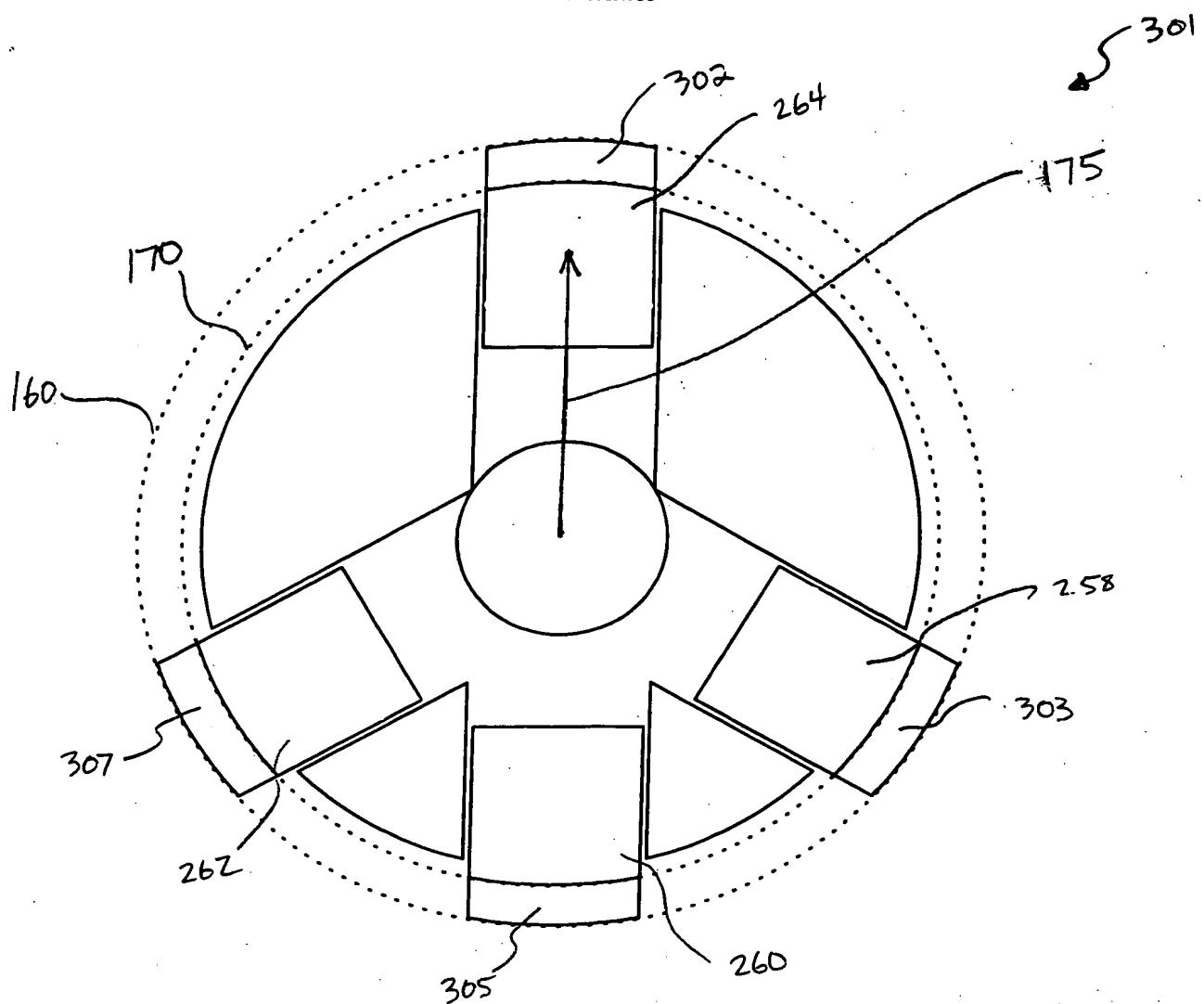


FIG. 11C

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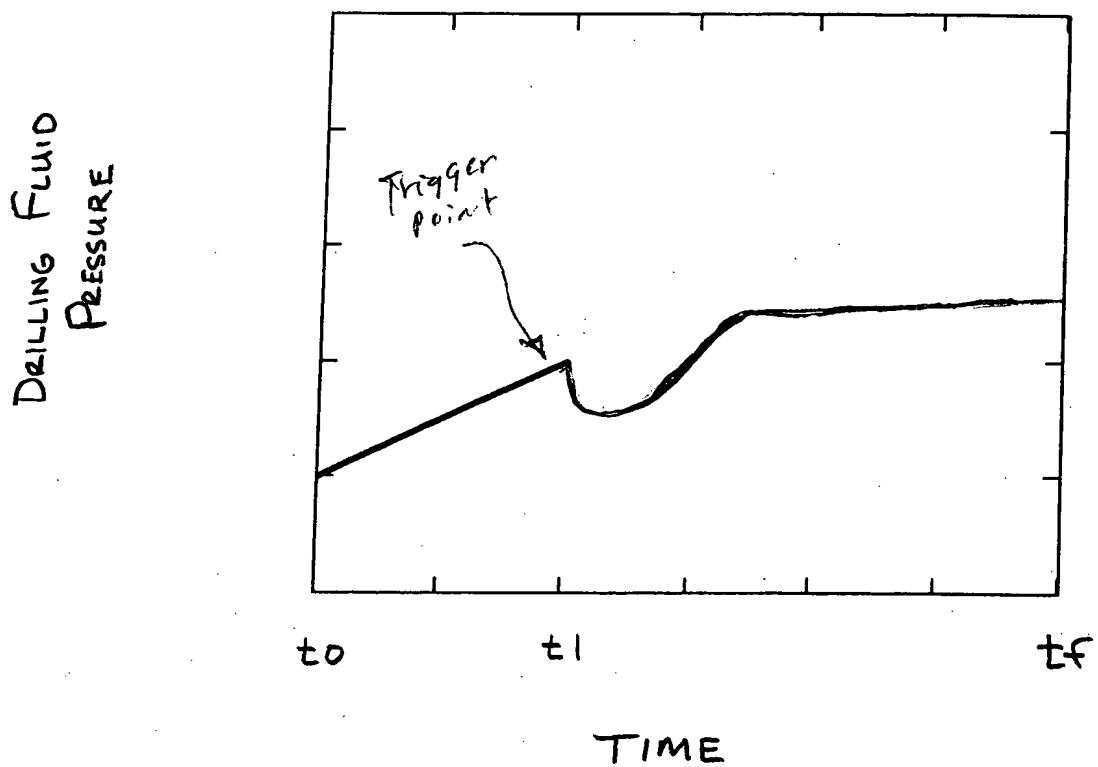


FIG 12

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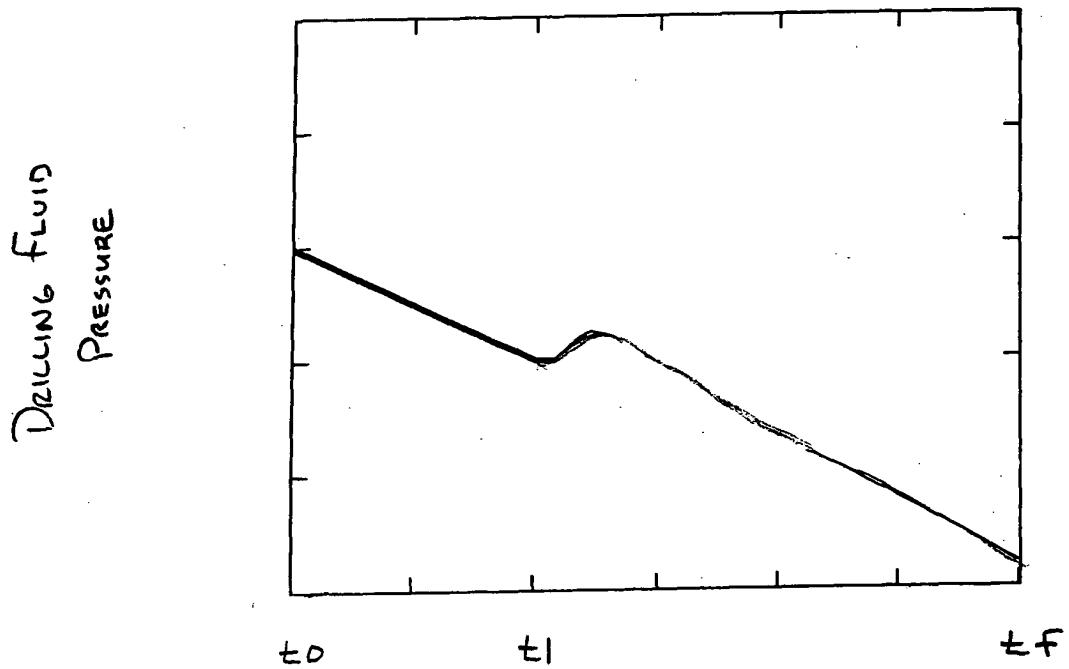


FIG 13

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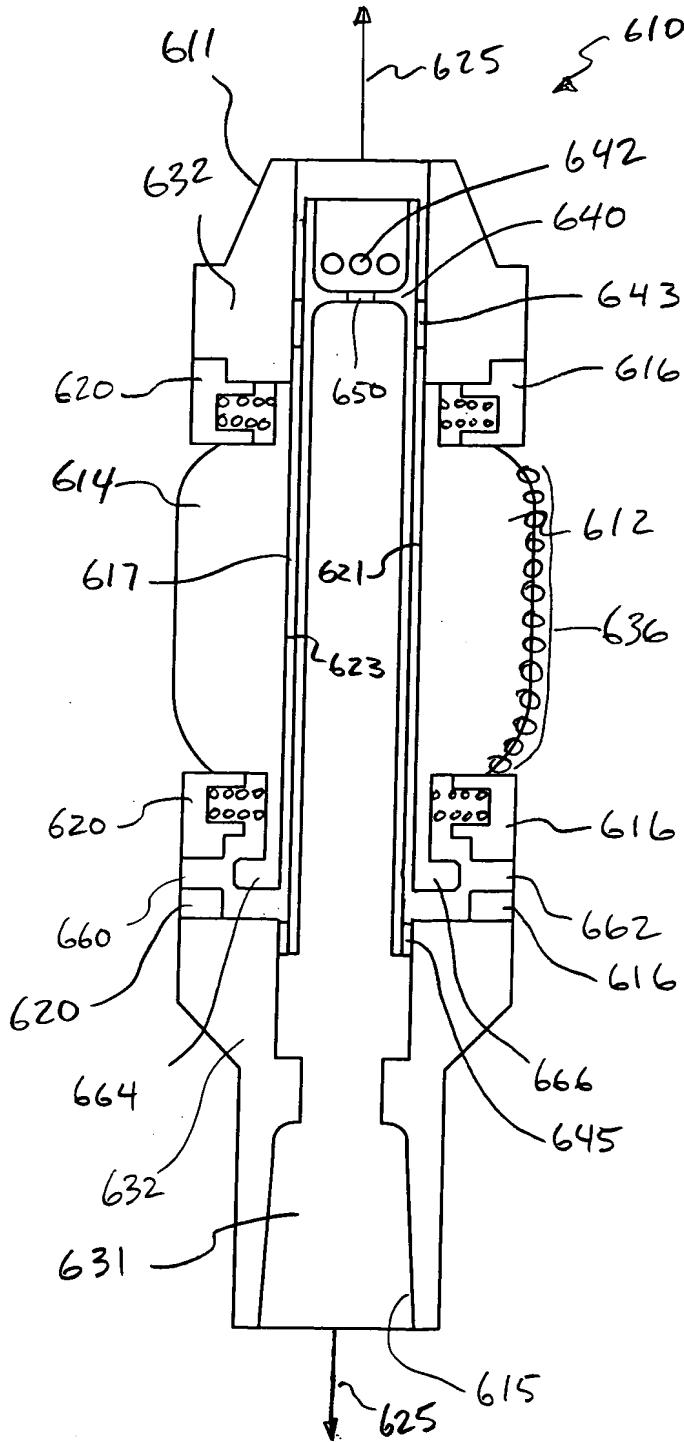


FIG. 14A

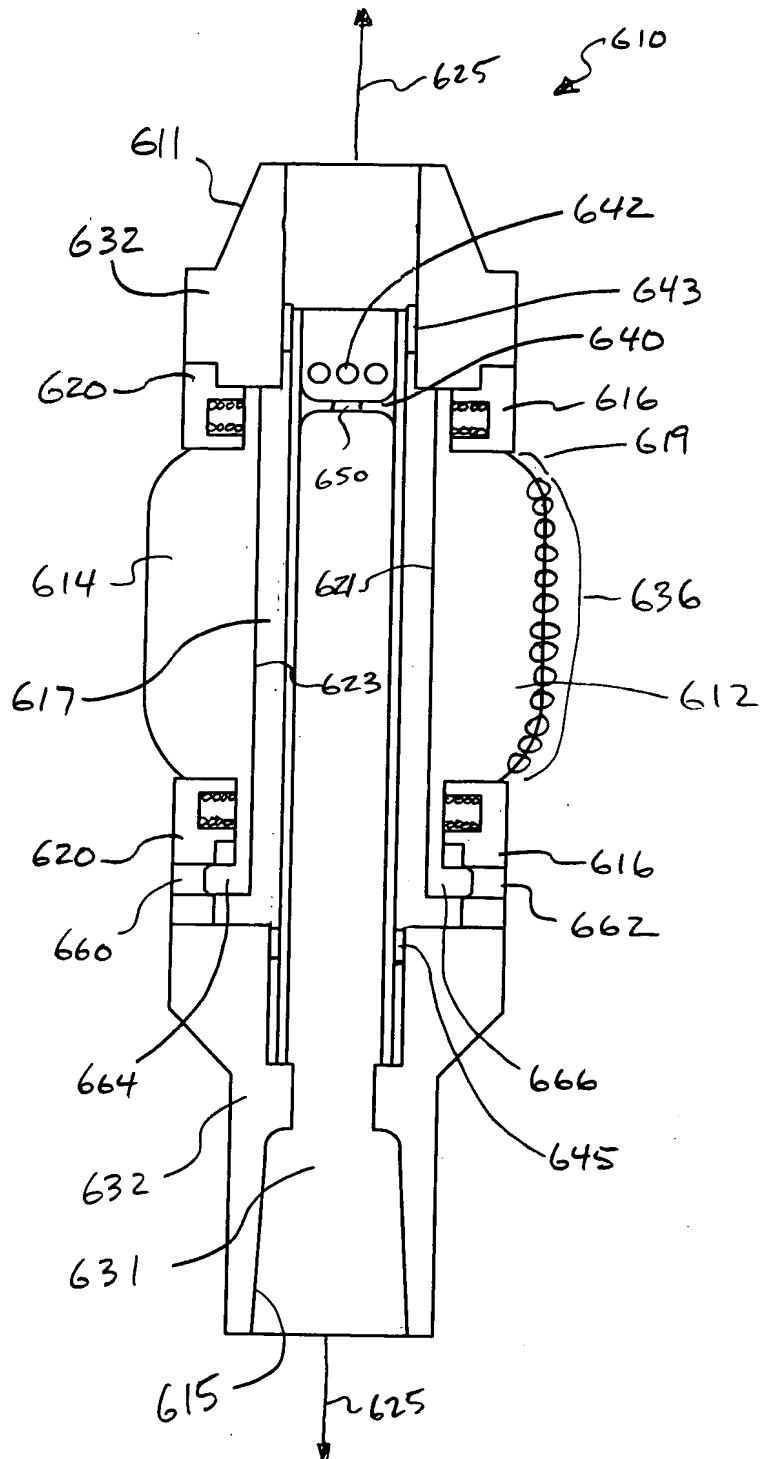


FIG. 14B